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February 10, 2004
Project No. PTKM-001-1

Mr. Don Pettit
Oregon Department of Environmental Quality
2020 SW Fourth Ave., Suite 400
Portland, OR 97201

**Re: Groundwater Monitoring/Project Status Update Report
Fourth Quarter 2003
Kinder Morgan Liquid Terminals, LLC
Linnton Terminal
Portland, Oregon
DEQ No. WPMVC-WMCVC-NWR-00-17**

Dear Mr. Pettit:

Delta Environmental Consultants, Inc. (Delta) has prepared this groundwater monitoring/project status update report on behalf of Kinder Morgan Liquid Terminals, LLC (KMLT) for the KMLT Linnton Terminal located at 11400 NW St. Helens Road in Portland, Oregon (Figure 1). Quarterly groundwater monitoring is currently being conducted at the site in accordance with the Remedial Investigation (RI) Work Plan dated February 2002. Field procedures were performed in accordance with Delta's standard operating procedures for quality assurance and quality control (QA/QC).

SCOPE OF WORK

The following scope of work was conducted as part of the fourth quarter 2003 groundwater monitoring and sampling event.

- On October 28 and 29, 2003, 32 groundwater monitoring wells and piezometers were monitored, and 13 wells were sampled.
- Monthly separate phase hydrocarbon (SPH) recovery was performed on each well containing SPH during the reporting period.

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In addition to this scope of work the following activities were also completed during the reporting period:

- Redeployed absorbent booms during December 2003 due to a rise in the river level resulting in a reoccurrence of the seep.
- Obtained bids from subcontractors for the installation of the IRAM system.
- Included the MW-16 investigation, permitting, work plan submittal, etc. if it was done during the reporting period.

METHODS AND PROCEDURES

Groundwater monitoring field activities conducted on October 28 and 29, 2003 consisted of collecting water level measurements in Wells MW-1 through MW-22, P-1 through P-5 and RW-1 through RW-5 as well as measuring parameters and collecting samples from Wells MW-4, MW-7 through MW-10, MW-12 through MW-18, and MW-22. The approximate site boundaries, site structures, and the approximate locations of the monitoring wells are presented in Figure 2. The parameters measured in the wells consisted of water level measurements, pH, dissolved oxygen (DO), specific conductance, and temperature. The static water levels were measured in Wells MW-1 through MW-10, MW-12 through MW-22, P-1 through P-5 and RW-1 through RW-5 on October 28, 2003. A depth-to-water measurement could not be attained from Well MW-11 due to the fouling of the probe by the relatively high viscosity SPH layer in that well. Water level measurements were obtained by slowly lowering an electronic water level indicator into the well until the instrument indicated that the groundwater surface had been encountered. The measurement was made from a location permanently marked on the top of the casing to within the nearest 0.01 foot. If SPH was present in any of the monitoring wells, the thickness of the layer was measured and recorded. Each water level measurement was repeated at least once to verify the accuracy of the initial measurement. All measurements were recorded on field sampling forms (Attachment A). Prior to collecting groundwater samples, each monitoring well to be sampled was purged of at least three casing volumes of water. All 13 wells sampled were purged using clean, disposable bailers and new nylon cord or a centrifugal pump with disposal tubing. Prior to sampling, the wells were allowed to recover to approximately 80% or more of static water level. A total volume of approximately 60 gallons of water was purged from the wells.

After purging each monitoring well, groundwater samples were collected using new disposable bailers. The water samples were placed in laboratory-prepared containers and each sample was appropriately labeled so as to identify the sample number, project name, facility number, the date and time of sample collection, and the sampler's name. Each sample was immediately placed in a chilled cooler for storage, and samples were transported to the laboratory using strict chain-of-custody protocols.

ANALYTICAL METHODS

Collected groundwater samples were submitted to North Creek Analytical of Beaverton, Oregon on October 29, 2003 and analyzed for the following:

- Gasoline range hydrocarbons (TPH-Gx) by NW TPH-Gx Method.
- Diesel and heavy oil range hydrocarbons (TPH-Dx) by NW TPH-Dx Method.
- Benzene, toluene, ethylbenzene, and total xylenes (BTEX) by Environmental Protection Agency (EPA) Method 8021B.
- Polyaromatic hydrocarbons (PAHs) by EPA Method 8270M-SIM.
- Total metals by EPA 6000/7000 Series Methods.

RESULTS OF QUARTERLY MONITORING

Groundwater Elevation and Flow

Depth to groundwater in the measured wells ranged from 11.83 feet below top of casing in Well MW-16 to 24.28 feet below top of casing in Well MW-18. SPH was measured in fourteen wells during the fourth quarter monitoring event (MW-1, MW-2, MW-3, MW-11, MW-12, MW-19, MW-20, MW-21, P-4, P-5, RW-1 through RW-3, and RW-5). SPH ranged from 0.01 foot in Well MW-12 to 1.95 feet in Well MW-2. The current and historic groundwater elevation data have been summarized in Table 1.

Based on the groundwater level measurements taken during this monitoring event, the groundwater flow direction appears to be generally to the northeast, toward the Willamette River. Generally, the groundwater flow direction is consistent with those of past monitoring events. Figure 2 illustrates the current approximate water level elevation contours and gradient.

Groundwater Analytical Results

Benzene was detected above the laboratory method reporting limit (MRL) in six wells at concentrations ranging from 0.927 micrograms per liter ($\mu\text{g}/\text{L}$) in Well MW-8 to 77.9 $\mu\text{g}/\text{L}$ in Well MW-16. Toluene, ethyl benzene, and xylene concentrations are generally consistent with the past monitoring events.

PAHs were detected above the laboratory MRL in seven wells at concentrations ranging from 0.110 $\mu\text{g}/\text{L}$ of Fluorene in Well MW-22 to 51.7 $\mu\text{g}/\text{L}$ of acenaphthene in Well MW-8. The detected PAH concentrations are generally similar to past analytical results. A summary of the PAH analytical results is presented in Table 3.

Concentrations of TPH as gasoline were detected above laboratory MRLs in 8 sampled wells, ranging, from 138 $\mu\text{g}/\text{L}$ in MW-22 to 4,120 $\mu\text{g}/\text{L}$ in Well MW-10. Concentrations of TPH as diesel were detected above laboratory MRLs in 9 of the sampled wells, ranging from 324 $\mu\text{g}/\text{L}$ in Well MW-17 to 146,000 $\mu\text{g}/\text{L}$ in Well MW-10. A concentration of TPH

as heavy oil was detected above the laboratory MRL in one sampled well, MW-16, at a concentration of 3,440 µg/L. The laboratory analytical results for TPH are presented in Table 2.

Concentrations of total metals were detected above the laboratory MRL in all 13 sampled wells. Concentrations ranged from 0.00104 mg/L of selenium in Well MW-8 to 1.57 mg/L of barium in Well MW-15. The total metal concentrations were typical of previous sampling events.

Based on a review of the laboratory reports, it appears that the submitted water samples were analyzed within the specified holding times, and that the appropriate QA/QC procedures were followed during analysis. A summary of the laboratory analytical results is presented in Tables 2, 3, and 4. A complete copy of the laboratory report and chain-of-custody documentation is included in Attachment B.

ACTIVITIES SCHEDULED FOR THE FIRST QUARTER OF 2004

- Perform monthly SPH removal from wells that have historically contained SPH.
- Sample selected monitoring wells during the January 2004 sampling event (first quarter event).
- Perform weekly inspections of the containment booms in the seep area.
- Install IRAM area containment to address seep area.
- Conduct further characterization activities in the vicinity of well MW-16.
- Finalize RI report.

CONCLUSIONS

Groundwater will continue to be monitored on a quarterly basis. The next sampling event will be conducted during the first quarter 2004. Delta will be submitting a letter to the DEQ during January 2004 proposing changes to the groundwater-monitoring program.

Please contact Mr. Steve Osborn of KMLT at (707) 249-1633 if you have any questions regarding this report or any other aspect of this project.

Sincerely,
Delta Environmental Consultants, Inc.

Kelly A. Kline
Kelly A. Kline, R.G.
Senior Geologist



Attachments: Table 1 - Groundwater Elevation and SPH Data
Table 2 - Groundwater Sample Analytical Results- TPH, BTEX-N
Table 3 - Groundwater Sample Analytical Results- PAHs
Table 4 - Groundwater Sample Analytical Results- Total Metals
Figure 1 - Site Location Map
Figure 2 - Groundwater Elevation Contours and SPH Thickness

Attachment A - Field Forms

Attachment B - Certified Analytical Reports and Chain-of-Custody Documentation

cc: Mr. Steve Osborn, KMEP
Ms. Jeni Crawley, KMEP (file copy)

TABLE 1
GROUNDWATER ELEVATION AND SPH RECOVERY DATA
Kinder Morgan Liquid Terminals LLC
Linnton Terminal
Portland, Oregon

Well Identification (TOC)	Date Gauged	Depth to Water (ft)	Depth to SPH (ft)	SPH Thickness (ft)	Groundwater Elevation ¹ (ft)	Recovered by Quarter (gallons)	
MW-1 (27.98)	02/01/02	13.34	13.34	sheen	14.64	-	
	04/24/02	13.26	13.26	sheen	14.72	-	
	07/29/02	15.82	15.80	0.02	12.18	0.41	
	10/29/02	18.41	18.40	0.01	9.58	-	
	11/26/02*	17.91	17.81	0.10	10.15	-	
	12/30/02	15.63	15.63	sheen	0.01	0.56	
	01/28/03	15.15	NP	0.00	12.83	0.00	
	04/29/03	13.15	NP	0.00	14.83	0.00	
	07/29/03 ²	16.31	16.31	sheen	11.67	0.60	
	10/28/03	17.35	17.18	0.17	10.63	-	
MW-2 (28.47)	01/29/02	14.27	13.60	0.67	14.74	2.50	
	04/24/02	13.96	13.37	0.59	14.98	0.55	
	07/29/02	16.50	16.16	0.34	12.24	1.20	
	10/29/02	18.93	18.92	0.01	9.55	1.30	
	11/26/02*	18.82	18.52	0.30	9.89	-	
	12/30/02	16.81	16.33	0.48	12.04	-	
	01/28/03	16.04	15.70	0.34	12.70	0.65	
	04/29/03	13.81	13.27	0.54	15.09	1.10	
	07/29/03	17.23	16.92	0.31	11.49	5.00	
	10/28/03	19.53	17.58	1.95	10.50	-	
MW-3 (28.97)	01/29/02	13.04	12.86	0.18	16.07	0.25	
	04/24/02	13.11	13.00	0.11	15.95	0.40	
	07/29/02	14.69	14.42	0.27	14.50	0.55	
	10/29/02	16.11	NP	Sheen	12.86	0.51	
	11/26/02*	16.08	15.72	0.36	13.18	-	
	01/28/03	14.15	14.07	0.08	14.88	0.35	
	04/29/03	12.75	12.71	0.04	16.25	0.45	
	07/29/03	15.03	14.83	0.20	14.10	1.05	
	10/28/03	15.58	15.51	0.07	13.45	-	
	MW-4 (32.88)	02/01/02	17.74	NP	0.00	15.14	-
	04/24/02	17.49	NP	0.00	15.39	-	
	07/29/02	20.19	NP	0.00	12.69	-	
	10/29/02	22.72	NP	0.00	10.16	-	
	01/28/03	19.82	NP	0.00	13.06	-	
	04/29/03	17.29	NP	0.00	15.59	-	
	07/29/03	20.54	NP	0.00	12.34	-	
	10/28/03	21.67	NP	0.00	11.21	-	
MW-5 (40.08)	01/31/02	21.73	NP	0.00	18.35	-	
	04/24/02	21.76	NP	0.00	18.32	-	
	07/29/02	23.87	NP	0.00	16.21	-	
	10/29/02	DRY	NP	0.00	DRY	-	
	01/28/03	23.81	NP	0.00	16.27	-	
	04/29/03	20.95	NP	0.00	19.13	-	
	07/29/03	24.46	NP	0.00	15.62	-	
	10/28/03	DRY	NP	0.00	DRY	-	

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Linnton Terminal
Portland, Oregon

Well Identification (TOC)	Date Gauged	Depth to Water (ft)	Depth to SPH (ft)	SPH Thickness (ft)	Groundwater Elevation ¹ (ft)	Recovered by Quarter (gallons)
MW-6 (36.93)	02/01/02	16.77	NP	0.00	20.16	-
	04/24/02	17.82	NP	0.00	19.11	-
	07/29/02	20.85	NP	0.00	16.08	-
	10/29/02	21.51	NP	0.00	15.42	-
	01/28/03	19.72	NP	0.00	17.21	-
	04/29/03	15.88	NP	0.00	21.05	-
	07/29/03	DRY	NP	0.00	DRY	-
	10/28/03	21.61	NP	0.00	15.32	-
MW-7 (32.26)	01/31/02	17.74	NP	0.00	14.52	-
	04/24/02	17.81	NP	0.00	14.45	-
	07/29/02	20.06	NP	0.00	12.20	-
	10/29/02	22.40	NP	0.00	9.86	-
	01/28/03	19.02	NP	0.00	13.24	-
	04/29/03	16.23	NP	0.00	16.03	-
	07/29/03	20.52	NP	0.00	11.74	-
	10/28/03	21.41	NP	0.00	10.85	-
MW-8 (30.06)	02/01/02	17.01	NP	0.00	13.05	-
	04/24/02	16.58	NP	0.00	13.48	-
	07/29/02	19.32	NP	0.00	10.74	-
	10/29/02	20.83	NP	0.00	9.23	-
	01/28/03	18.47	NP	0.00	11.59	-
	04/29/03	16.93	NP	0.00	13.13	-
	07/29/03	20.06	NP	0.00	10.00	-
	10/28/03	20.43	NP	0.00	9.63	-
MW-9 (30.45)	02/01/02	15.25	NP	0.00	15.20	-
	04/24/02	15.49	NP	0.00	14.96	-
	07/29/02	16.71	NP	0.00	13.74	-
	10/29/02	18.77	NP	0.00	11.68	-
	01/28/03	16.35	NP	0.00	14.10	-
	04/29/03	14.31	NP	0.00	16.14	-
	07/29/03	17.55	NP	0.00	12.90	-
	10/28/03	18.44	NP	0.00	12.01	-
MW-10 (30.32)	02/01/02	11.84	NP	0.00	18.48	-
	04/24/02	14.00	NP	0.00	16.32	-
	07/29/02	18.08	17.03	1.05	13.08	0.50
	10/29/02	20.86	20.72	0.14	9.57	0.13
	11/26/02*	19.82	19.81	0.01	10.51	-
	01/28/03	13.84	13.61	0.23	16.66	0.20
	04/29/03	14.36	NP	0.00	15.96	0.01
	07/29/03	18.51	NP	0.00	11.81	0.01
	10/28/03	18.28	NP	0.00	12.04	

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Well Identification (TOC)	Date Gauged	Depth to Water (ft)	Depth to SPH (ft)	SPH Thickness (ft)	Groundwater Elevation ¹ (ft)	Recovered by Quarter (gallons)
MW-11 (35.03)	01/29/02	19.06	NP	0.00	15.97	0.17
	04/24/02	18.91	18.48	0.43	16.46	0.25
	07/29/02	22.02	20.75	1.27	14.03	0.95
	10/29/02	25.50	23.20	2.30	11.37	1.95
	11/26/02*	25.10	23.05	2.05	11.57	-
	01/28/03	21.00	20.65	0.35	14.31	0.45
	04/29/03	20.06	18.55	1.51	16.18	0.60
	07/29/03	-	21.15	>3.0	-	0.65
	10/28/03	-	22.30	-	-	
	01/31/02	14.85	NP	0.00	19.18	-
MW-12 (34.03)	04/24/02	15.32	NP	0.00	18.71	-
	07/29/02	16.77	NP	0.00	17.26	-
	10/29/02	17.99	NP	0.00	16.04	-
	01/28/03	16.21	NP	0.00	17.82	-
	04/29/03	14.99	NP	0.00	19.04	-
	07/29/03	16.56	NP	0.00	17.47	-
	10/28/03	17.61	17.60	0.01	16.43	
	01/31/02	17.67	NP	0.00	18.14	-
	04/24/02	18.35	NP	0.00	17.46	-
	07/29/02	19.35	NP	0.00	16.46	-
MW-13 (35.81)	10/29/02	25.42	NP	0.00	10.39	-
	01/28/03	20.52	NP	0.00	15.29	-
	04/29/03	17.41	NP	0.00	18.40	-
	07/29/03	21.47	NP	0.00	14.34	-
	10/28/03	24.25	NP	0.00	11.56	-
	01/31/02	17.71	NP	0.00	18.83	-
	04/24/02	18.42	NP	0.00	18.12	-
	07/29/02	21.47	NP	0.00	15.07	-
	10/29/02	23.99	NP	0.00	12.55	-
	01/28/03	20.62	NP	0.00	15.92	-
MW-14 (36.54)	04/29/03	16.91	NP	0.00	19.63	-
	07/29/03	22.26	NP	0.00	14.28	-
	10/28/03	23.68	NP	0.00	12.86	-
	01/31/02	15.12	NP	0.00	22.03	-
	04/24/02	16.13	NP	0.00	21.02	-
	07/29/02	19.93	NP	0.00	17.22	-
	10/29/02	22.59	NP	0.00	14.56	-
	01/28/03	18.26	NP	0.00	18.89	-
	04/29/03	14.28	NP	0.00	22.87	-
	07/29/03	20.63	NP	0.00	16.52	-
MW-15 (37.15)	10/28/03	22.41	NP	0.00	14.74	-

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Well Identification (TOC)	Date Gauged	Depth to Water (ft)	SPH Thickness (ft)	Groundwater Elevation ¹ (ft)	Recovered by Quarter (gallons)
MW-16 (38.95)	01/31/02	8.91	NP	0.00	30.04
	04/24/02	11.04	NP	0.00	27.91
	07/29/02	11.93	NP	0.00	27.02
	10/29/02	12.85	12.75	0.10	26.18
	11/26/02*	12.05	12.00	0.05	26.94
	01/28/03	10.11	NP	0.00	28.84
	04/29/03	9.85	NP	0.00	29.10
	07/29/03	12.14	NP	0.00	26.81
	10/28/03	11.83	NP	0.00	27.12
	MW-17 (36.57)	16.93	NP	0.00	19.64
MW-17 (36.57)	04/24/02	17.83	NP	0.00	18.74
	07/29/02	20.83	NP	0.00	15.74
	10/29/02	23.38	NP	0.00	13.19
	01/28/03	19.87	NP	0.00	16.70
	04/29/03	16.04	NP	0.00	20.53
	07/29/03	21.59	NP	0.00	14.98
	10/28/03	23.15	NP	0.00	13.42
	MW-18 (36.66)	19.41	NP	0.00	17.25
	07/30/02	22.21	NP	0.00	14.45
	10/29/02	24.71	NP	0.00	11.95
MW-18 (36.66)	01/28/03	21.20	NP	0.00	15.46
	04/29/03	17.85	NP	0.00	18.81
	07/29/03	23.02	NP	0.00	13.64
	10/28/03	24.28	NP	0.00	12.38
	MW-19 (30.34)	14.88	14.80	0.08	15.52
	07/29/03	19.75	17.94	1.81	12.04
	10/28/03	20.08	18.88	1.20	11.22
	MW-20 (30.25)	13.42	NP	0.00	16.83
	07/29/03	18.26	NP	0.00	11.99
	10/28/03	19.60	19.49	0.11	10.74
MW-21 (30.62)	04/29/03	8.12	NP	0.00	22.50
	07/29/03	17.02	NP	0.00	13.60
	10/28/03	18.62	18.36	0.26	12.21
MW-22 (30.19)	04/29/03	15.61	NP	0.00	14.58
	07/29/03	19.75	NP	0.00	10.44
	10/28/03	20.33	NP	0.00	9.86
P-1 (37.89)	01/31/02	-	NP	0.00	-
	04/24/02	19.31	NP	0.00	18.58
	07/30/02	19.72	NP	0.00	18.17
	10/29/02	Unable to Locate			
	01/28/03	19.67	NP	0.00	18.22
	04/29/03	17.71	NP	0.00	20.18
	07/29/03	19.94	NP	0.00	17.95
	10/28/03	19.97	NP	0.00	17.92

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Well Identification (TOC)	Date Gauged	Depth to Water (ft)	Depth to SPH (ft)	SPH Thickness (ft)	Groundwater Elevation ¹ (ft)	Recovered by Quarter (gallons)
P-2 (36.54)	01/31/02	-	NP	0.00	-	-
	04/24/02	13.99	NP	0.00	22.55	-
	07/30/02	15.55	NP	0.00	20.99	-
	10/29/02	16.52	NP	0.00	20.02	-
	01/28/03	14.66	NP	0.00	21.88	-
	04/29/03	12.98	NP	0.00	23.56	-
	07/29/03	15.10	NP	0.00	21.44	-
	10/28/03	11.15	NP	0.00	25.39	-
P-3 (33.53)	01/29/02	16.93	NP	0.00	16.60	-
	04/24/02	17.58	NP	0.00	15.95	-
	07/30/02	18.90	NP	0.00	14.63	-
	10/29/02	19.68	NP	0.00	13.85	-
	01/28/03	18.16	NP	0.00	15.37	-
	04/29/03	17.29	NP	0.00	16.24	-
	07/29/03	18.81	NP	0.00	14.72	-
	10/28/03	19.26	NP	0.00	14.27	-
P-4 (31.75)	01/29/02	16.60	NP	0.00	15.15	-
	04/24/02	15.91	NP	0.00	15.84	-
	07/30/02	17.18	16.90	0.28	14.79	-
	10/29/02	22.26	NP	0.00	DRY	-
	01/28/03	18.08	17.98	0.10	13.75	-
	04/29/03	15.55	NP	0.00	16.20	-
	07/29/03	18.73	NP	0.00	13.02	-
	10/28/03	19.48	19.40	0.08	12.33	-
P-5 (29.75)	01/29/02	14.41	NP	0.00	15.34	-
	04/24/02	14.40	NP	0.00	15.35	-
	07/30/02	16.35	16.31	0.04	13.43	-
	10/29/02	18.09	18.17	0.08	11.72	-
	01/28/03	14.96	14.95	0.01	14.80	-
	04/29/03	14.61	14.60	0.01	15.15	-
	07/29/03	19.98	17.96	2.02	11.39	-
	10/28/03	18.48	18.15	0.33	11.53	-
RW-1 (28.66)	10/30/02	19.36	NP	0.00	9.30	0.65
	11/26/02*	18.92	18.58	0.34	10.01	-
	01/28/03	16.19	15.94	0.25	12.67	1.65
	04/29/03	14.13	13.67	0.46	14.90	1.05
	07/29/03	18.70	17.04	1.66	11.29	9.00
	10/28/03	18.70	17.80	0.90	10.68	-
RW-2 (28.97)	10/30/02	19.48	NP	0.00	9.49	0.90
	11/26/02*	18.93	18.82	0.11	10.13	-
	01/28/03	19.77	15.86	3.91	12.33	17.25
	04/29/03	17.36	13.73	3.63	14.51	6.75
	07/29/03	19.54	17.23	2.31	11.28	9.00
	10/28/03	18.47	18.23	0.24	10.69	-

TABLE 1
GROUNDWATER ELEVATION AND SPH RECOVERY DATA
Kinder Morgan Liquid Terminals LLC
Linnton Terminal
Portland, Oregon

Well Identification (TOC)	Date Gauged	Depth to Water (ft)	Depth to SPH (ft)	SPH Thickness (ft)	Groundwater Elevation ¹ (ft)	Recovered by Quarter (gallons)
RW-3 (29.23)	10/30/02	22.11	19.50	2.61	9.21	13.50
	11/26/02*	22.96	18.81	4.15	9.59	-
	01/28/03	22.58	15.98	6.60	11.93	30.00
	04/29/03	18.11	13.97	4.14	14.43	18.50
	07/29/03	19.63	16.66	2.97	11.98	8.25
	10/28/03	19.03	18.49	0.54	10.63	
RW-4 (29.69)	10/30/02	20.27	NP	0.00	9.42	-
	01/28/03	18.00	16.58	1.42	12.83	7.50
	04/29/03	16.96	14.59	2.37	14.63	6.50
	07/29/03	18.76	18.50	0.26	11.14	0.70
RW-5 (29.83)	10/28/03	18.98	NP	0.00	10.71	
	10/30/02	20.32	NP	0.00	9.51	0.01
	01/28/03	15.95	NP	Sheen	13.88	0.05
	04/29/03	15.31	NP	Sheen	14.52	0.25
	07/29/03	19.17	19.10	0.07	10.72	0.10
	10/28/03	19.38	19.36	0.02	10.47	

NOTES:

NP = No Measurable Product

¹ = Elevation relative to 1988 North American Vertical Datum (NAVD)

= Not Sampled. Sheen observed during gauging. SPH measured after purging at 0.05 ft. thickness.

- = Not measured, not analyzed, not sampled or not applicable

Groundwater elevations corrected for product thickness using formula:

GWE = TOC - DTW - (0.8 x (DTW - DTP)) where 0.8 is the density of the SPH

* = Additional RI Sampling

TABLE 2
GROUNDWATER ANALYTICAL RESULTS - TPH BTEX
Kinder Morgan Liquid Terminals LLC
Linnton Terminal
Portland, Oregon

Sample	Sample	Benzene	Ethyl-	Naph-	Xylene	Heavy		
ID	Date	(µg/L)	benzene	Gasoline	thalene	(total)	Diesel	Oil
MW-1	02/01/02	2.50 U	2.50 U	2,610	31.5	2.50 U	5.00 U	NA
	11/26/02*	1.00 U	1.00 U	797	2.00 U	1.00 U	3.00 U	30,000
	01/29/03	1.00 M	1.00 M	3,610	20.0 M	1.00 M	2.00 M	118,000
	04/30/03	0.500 M	0.500 M	1,390	2.00 M	0.500 M	1.00 M	129,000
MW-2	11/26/02*	1.00 U	1.00 U	1,350	23.3	1.00 U	3.00 U	148,000
MW-3	11/26/02*	1.00 U	1.00 U	1,280	2.31	1.00 U	3.00 U	198,000
MW-4	02/01/02	0.500 U	0.500 U	884	2.00 U	0.500 U	1.00 M	NA
	05/01/02	2.50 U	2.50 U	2,610	31.5 J	2.50 U	5.00 U	NA
	07/29/02	0.500 M	0.500 M	169	0.500 M	0.500 M	1.00 M	12,600
	10/30/02	0.500 M	0.500 M	479	3.50 M	0.500 M	1.00 M	33,000
DUP	10/30/02	0.500 M	0.500 M	535	2.00 M	0.500 M	1.00 M	2,480
	01/29/03	0.500 M	0.500 M	326	1.20 M	0.500 M	1.00 M	16,900
	04/30/03	0.500 M	0.500 M	119	2.50 M	0.500 M	1.00 M	10,800
	07/29/03	0.500 M	0.764	125	NA	0.504	4.39	50,100
	10/28/03	0.500 M	0.500 M	1,180	NA	0.757	2.51	120,000
MW-5	02/01/02	0.500 U	0.500 U	80.0 U	2.00 U	0.500 U	1.00 U	NA
	04/24/02	0.500 U	0.500 U	80.0 U	2.00 U	0.500 U	1.00 M	250 U
	07/30/02	0.500 M	0.500 M	50.0 M	0.100 M	0.500 M	1.00 M	NA
	01/28/03	0.500 M	0.500 M	80.0 M	0.100 M	0.500 M	1.00 M	563
	04/30/03	0.500 M	0.500 M	80.0 M	0.200 M	0.500 M	1.00 M	472
MW-6	02/01/02	30.6	12.4	2,270	2.00 U	12	11.3	NA
	04/24/02	37.1	6.03	2,140	2.00 U	6.34	8.45	250 U
	07/30/02	16.6	1.92	1,730	2.00 M	1.51	5.86	NA
	01/29/03	6.84	1.22	1,800	2.00 M	1.52	2.39	250 M
	04/29/03	31.3	2.30	2,080	1.70 M	4.34	1.51	500 M
MW-7	01/31/02	0.500 U	0.500 U	80.0 U	2.00 U	0.500 U	1.00 U	NA
	04/24/02	0.500 U	0.500 U	80.0 U	2.00 U	0.500 U	1.00 U	250 U
	07/29/02	0.500 M	0.500 M	50.0 M	0.100 M	0.500 M	1.00 M	250 M
	10/29/02	0.500 M	0.500 M	98.7	0.100 M	0.500 M	1.00 M	250 M
	01/28/03	0.500 M	0.500 M	80.0 M	0.100 M	0.500 M	1.00 M	250 M
	04/29/03	0.500 M	0.500 M	80.0 M	0.250 M	0.500 M	1.00 M	250 M
	07/29/03	0.500 M	0.500 M	80.0 M	NA	0.500 M	1.00 M	250 M
	10/28/03	0.500 M	0.500 M	80.0 M	NA	2.11	1.00 M	250 M
DUP	10/28/03	0.500 M	0.500 M	80.0 M	NA	1.18	1.00 M	250 M
MW-8	02/01/02	10.8	22.3	2,350	4.92	10	8.31	NA
	04/25/02	2.85	13.4	1,190	7.64	4.45	4.52	250 U
	07/29/02	10.2	27.8	1,900	41.0	4.02	14.8	3,340
	10/30/02	1.88	3.89	764	0.772	0.691	9.86	1,170
	01/29/03	15.8	27.6	2,340	5.89	4.80	8.76	3,390
	04/30/03	11.8	30.1	1,810	23.1	2.11	10.4	2,250
	07/29/03	8.38	5.23	887	NA	2.50	5.80	961
	10/28/03	0.927	1.25	623	NA	1.97	4.18	571

TABLE 2
GROUNDWATER ANALYTICAL RESULTS - TPH BTEX
Kinder Morgan Liquid Terminals LLC
Linnton Terminal
Portland, Oregon

Sample ID	Sample Date	Benzene (µg/L)	Ethyl- benzene (µg/L)	Gasoline (µg/L)	Naph- thalene (µg/L)	Toluene (µg/L)	Xylene (total) (µg/L)	Diesel (µg/L)	Heavy Oil (µg/L)
MW-9	02/01/02	357	2.50 M	1,730	10.0 U	4.48	5.00 M	NA	NA
	04/25/02	312	5.47	1,360	10.0 U	6.84	9.44	250 U	500 U
	07/29/02	727	6.54	2,850	1.00 M	7.44	12.2	250 M	500 M
	10/30/02	511	6.14	1,420	1.00 M	11.4	10.0 M	486	500 M
	01/29/03	193	2.50 M	1,390	0.500 M	2.66	5.00 M	402	500 M
	04/30/03	663	11.6	3,440	2.30 M	9.36	11.1	250 M	500 M
	07/30/03	519	8.51	2,060	NA	10.8	17.3	457	500 M
	10/29/03	32.6	4.94	1,790	NA	0.576	1.00 M	680	500 M
MW-10	02/01/02	15.5	6.97	3,590	10.0 M	7.7	5.89	NA	NA
DUP	02/01/02	18	7.83	4,010	10.0 U	8.7	6.7	NA	NA
	04/25/02	16.7	7.65	4,470	4.00 U	8.48	9.13	3,850	500 U
	11/27/02*	3.17	1.00 U	3,630	2.00 U	2.41	2.49	15,200	500 U
	04/30/03	15.4	6.63	3,630	100 M	9.14	5.00 M	483,000	5,000 M
	07/30/03	9.23	5.95	3,320	NA	6.60	8.52	99,100	10,000 M
	10/29/03	10.6	4.94	4,120	NA	5.88	7.06	146,000	2,500 M
MW-12	01/31/02	0.500 U	0.500 U	1,320	2.00 U	0.500 U	1.00 U	NA	NA
	04/25/02	1.00 U	1.00 U	1,970	4.00 U	1.00 U	2.00 U	4,030	500 U
	07/29/02	0.721	0.500 M	1,110	2.50 M	0.526	5.60	11,100	500 M
DUP	07/29/02	0.729	0.500 M	1,140	5.00 M	0.534	5.68	5,180	500 U
	10/29/02	1.00 M	13.6	3,630	2.50 M	6.61	3.11	5,540	500 M
	01/28/03	0.500 M	0.500 M	1,250	3.00 M	0.534	1.00 M	110,000	10000 M
	04/29/03	0.500 M	0.500 M	740	1.50 M	0.547	2.55	14,500	500 M
	07/29/03	0.940	1.50	832	NA	0.717	3.57	2,000	500 M
	10/28/03	0.933	1.31	1,110	NA	1.51	2.65	25,300	500 M
MW-13	01/31/02	109	8.9	6,150	10.0 U	6.74	5.00 M	NA	NA
DUP	01/31/02	102	8.7	6,110	10.0 U	6.86	5.00 M	NA	NA
	04/25/02	48.5	9.14	5,700	10.0 U	7.56	5.00 U	250 U	500 U
DUP	04/25/02	51.8	8.76	5,720	10.0 U	8.62	5.00 U	250 U	500 U
	07/29/02	2.63	2.88	3,330	0.100 M	1.6	7.76	2,690	500 M
	10/29/02	4.68	2.38	2,320	4.00 M	3.35	6.37	2,180	762
	10/29/02	5.82	2.45	2,350	3.00 M	3.10	5.89	2,020	1,000
DUP	01/28/03	2.71	2.56	2,220	1.20 M	3.22	6.52	2,230	500 M
	01/28/03	2.35	2.51	2,480	1.30 M	3.05	6.26	1,880	500 M
	04/29/03	107	5.72	6,160	2.50 M	3.56	5.00 M	833 M	1670 M
	07/29/03	3.23	1.84	2,130	NA	2.48	4.91	546	500 M
	10/28/03	2.18	1.50	2,210	NA	3.90	4.43	1,780	500 M

TABLE 2
GROUNDWATER ANALYTICAL RESULTS - TPH BTEX
Kinder Morgan Liquid Terminals LLC
Linnton Terminal
Portland, Oregon

Sample ID	Sample Date	Benzene ($\mu\text{g/L}$)	Ethyl-benzene ($\mu\text{g/L}$)	Gasoline ($\mu\text{g/L}$)	Naphthalene ($\mu\text{g/L}$)	Toluene ($\mu\text{g/L}$)	Xylene (total) ($\mu\text{g/L}$)	Diesel ($\mu\text{g/L}$)	Heavy Oil ($\mu\text{g/L}$)	
MW-14	01/31/02	0.500 U	0.500 U	80.0 U	2.00 U	0.500 U	1.00 U	NA	NA	
	04/24/02	0.500 U	0.500 U	80.0 M	2.00 U	0.500 U	1.00 U	250 U	500 U	
	07/30/02	0.500 M	0.500 M	50.0 M	0.100 M	0.500 M	1.00 M	305 M	610 M	
	10/29/02	0.500 M	0.500 M	80.0 M	0.100 M	0.500 M	1.00 M	250 M	500 M	
	01/29/03	0.500 M	0.500 M	80.0 M	0.100 M	0.500 M	1.00 M	250 M	500 M	
	04/29/03	0.500 M	0.500 M	160	0.100 M	0.500 M	1.00 M	250 M	500 M	
	07/29/03	0.500 M	0.500 M	80.0 M	NA	0.500 M	1.00 M	250 M	500 M	
	10/28/03	0.500 M	0.500 M	80.0 M	NA	0.792	1.00 M	287 M	500 M	
MW-15	01/31/02	0.500 U	0.500 U	80.0 U	2.00 U	0.500 U	1.00 U	NA	NA	
	04/24/02	0.500 U	0.500 U	80.0 U	2.00 U	0.500 U	1.00 U	250 U	500 U	
	07/30/02	0.500 M	0.500 M	50.0 M	0.100 M	0.500 M	1.00 M	250 M	500 M	
	10/29/02	0.500 M	0.500 M	80.0 M	0.100 M	0.500 M	1.00 M	250 M	500 M	
	01/29/03	0.500 M	0.500 M	80.0 M	0.100 M	0.500 M	1.00 M	250 M	500 M	
	04/29/03	0.500 M	0.500 M	80.0 M	0.137	0.500 M	1.00 M	250 M	500 M	
	DUP	04/29/03	0.500 M	0.500 M	80.0 M	0.100 M	0.500 M	1.00 M	250 M	500 M
	DUP	07/29/03	0.500 M	0.500 M	80.0 M	NA	0.500 M	1.00 M	250 M	500 M
DUP	07/29/03	0.500 M	0.500 M	80.0 M	NA	0.785	1.48	250 M	500 M	
	10/28/03	0.500 M	0.500 M	80.0 M	NA	1.01	1.00 M	250 M	500 M	
	MW-16	02/01/02	49.1	4.42	3,620	10.0 M	12.6	7.61	NA	NA
		04/25/02	46	2.50 U	3,570	10.0 U	14	8.73	4,040	1,050
		07/30/02	83.6	2.73	1,920	2.50 M	14.0	11.0	4,740	1000 M
	DUP	07/30/02	79.3	3.31	1,950	2.50 M	14.4	13.0	6,240	2,060
		11/27/02*	79.9	1.00 U	2,000	2.00 U	11.3	3.84	2,660	1,160
		01/28/03	40.5	4.35	2,930	1.80 M	13.4	10.6	30,400	17,600
DUP	01/28/03	34.2	2.50	3,500	2.20 M	10.3	10.9	35,100	13,100	
		04/29/03	43.7	3.06	2,300	2.00 M	13.0	8.68	12,900	5,160
		07/29/03	65.7	2.91	1,420	NA	10.1	6.98	11,100	5,870
		10/28/03	77.9	2.16	1,910	NA	12.8	7.95	7,520	3,440
	MW-17	01/31/02	0.500 U	0.500 U	93.8	2.00 U	0.500 U	1.00 U	NA	NA
		04/24/02	0.500 U	0.500 U	126	2.00 M	0.500 U	1.00 M	360	500 U
		07/30/02	0.500 M	0.702	199	1.00 M	0.500 M	2.72	352	500 M
		10/30/02	0.500 M	0.500 M	80.0 M	1.00 M	0.500 M	1.00 M	250 M	500 M
DUP	01/29/03	0.500 M	0.500 M	80.0 M	0.100 M	0.500 M	1.00 M	250 M	500 M	
		04/29/03	0.500 M	0.500 M	118	0.300 M	0.500 M	1.00 M	256	500 M
	DUP	04/29/03	0.500 M	0.500 M	80.0 M	0.350 M	0.500 M	1.00 M	250 M	500 M
		07/29/03	0.500 M	0.500 M	109	NA	0.749	1.00 M	553	500 M
	DUP	07/29/03	0.500 M	0.500 M	80.0 M	NA	0.500 M	1.00 M	452	500 M
		10/28/03	0.500 M	0.500 M	80.0 M	NA	0.500 M	1.00 M	324	500 M

TABLE 2
GROUNDWATER ANALYTICAL RESULTS - TPH BTEX
Kinder Morgan Liquid Terminals LLC
Linnton Terminal
Portland, Oregon

Sample ID	Sample Date	Benzene ($\mu\text{g/L}$)	Ethyl- benzene ($\mu\text{g/L}$)	Gasoline ($\mu\text{g/L}$)	Naph- thalene ($\mu\text{g/L}$)	Toluene ($\mu\text{g/L}$)	Xylene (total) ($\mu\text{g/L}$)	Diesel ($\mu\text{g/L}$)	Heavy Oil ($\mu\text{g/L}$)
MW-18	04/25/02	0.500 U	0.500 U	80.0 U	2.00 U	0.500 U	1.00 U	250 U	500 U
DUP	04/25/02	0.500 U	0.500 U	80.0 M	2.00 U	0.500 U	1.00 U	250 U	500 U
	07/29/02	0.500 M	0.500 M	50.0 M	0.100 M	0.500 M	1.00 M	250 M	500 M
	10/30/02	0.500 M	0.500 M	80.0 M	0.100 M	0.500 M	1.00 M	250 M	500 M
	01/29/03	0.500 M	0.500 M	80.0 M	0.100 M	0.500 M	1.00 M	250 M	500 M
	04/29/03	0.500 M	0.500 M	80.0 M	0.100 M	0.500 M	1.00 M	250 M	500 M
	07/30/03	0.500 M	0.500 M	80.0 M	NA	0.500 M	1.00 M	250 M	500 M
	10/29/03	0.500 M	0.500 M	80.0 M	NA	2.02	1.00 M	250 M	500 M
MW-20	05/01/03	36.5	5.15	3,460	5.00 M	7.12	7.20	5,850	500 M
	07/30/03	45.7	8.15	2,680	NA	7.59	8.07	7,200	500 M
MW-21	05/01/03	3.15	2.92	2,260	3.00 M	4.92	3.51	6,040	500 M
	07/30/03	4.15	4.08	3,730	NA	5.45	10.8	4,830	500 M
MW-22	05/01/03	11.7	2.43	1,330	1.70 M	3.54	4.52	2,570	500 M
	07/30/03	10.4	1.67	1,080	NA	7.04	7.30	2,650	500 M
	10/29/03	0.500 M	0.500 M	138	NA	1.18	1.00 M	1,330	500 M
RW-1	11/26/02*	7.68	16.1	3,930	145	2.00 U	15.5	998,000	45,000
RW-2	11/26/02*	30.3	21.0	1,690	46.7	1.00 U	16.7	243,000	57,700
RW-3	11/26/02*	3.80	7.51	1,430	9.04	1.00 U	3.00 U	678,000	50000 U
Trip Blank	04/24/02	0.500 U	0.500 U	80.0 U	2.00 U	0.500 U	1.00 U	NA	NA
	04/25/02	0.500 U	0.500 U	80.0 U	2.00 U	0.500 U	1.00 U	NA	NA
	07/29/02	0.500 M	0.500 M	50.0 M	NA	0.500 M	1.00 M	NA	NA
	10/29/02	0.500 M	0.500 M	NA	NA	0.500 M	1.00 M	NA	NA

NOTES:

Gasoline Range Hydrocarbons analyzed by NW TPH-Gx Method

Diesel and Heavy Oil Range Hydrocarbons analyzed by NW TPH-DX Method

Benzene, Toluene, Ethylbenzene, Xylene, and Naphthalene (BTEX/N) analyzed by USEPA Method 8021B or 8260B

$\mu\text{g/L}$ = micrograms per liter

Lab reported Diesel and Heavy Oil in mg/l

NA = Not Analyzed

J = Estimated Value

U = Analyte included in the analysis but not detected above laboratory method detection limits (MDLs)

M = Analyte included in the analysis but not detected above laboratory method reporting limits (MRLs)

Bold Face Font = Analyte detected above the MRLs

* = Additional RI Sampling

TABLE 3
GROUNDWATER ANALYTICAL PAH's
 Kinder Morgan Liquid Terminals LLC
 Linnton Terminal
 Portland, Oregon

Sample ID	Sample Date	Acenaphthene ($\mu\text{g/L}$)	Acenaphthyrene ($\mu\text{g/L}$)	Anthracene ($\mu\text{g/L}$)	Benz(a)anthracene ($\mu\text{g/L}$)	Benz(a)pyrene ($\mu\text{g/L}$)	Benz(b)fluoranthene ($\mu\text{g/L}$)	Benz(ghi)perylene ($\mu\text{g/L}$)	Benz(k)fluoranthene ($\mu\text{g/L}$)	Chrysene ($\mu\text{g/L}$)	Dibenz(a,h)anthracene ($\mu\text{g/L}$)	Fluoranthene ($\mu\text{g/L}$)	Fluorene ($\mu\text{g/L}$)	Indeno(1,2,3-cd)pyrene ($\mu\text{g/L}$)	Naphthalene ($\mu\text{g/L}$)	Phenanthrene ($\mu\text{g/L}$)	Pyrene ($\mu\text{g/L}$)
MW-1	02/01/02	5.00 U	2.50 U	2.74	0.500 U	0.500 U	0.500 U	0.500 M	0.500 M	1.00 U	0.500 U	20.9	0.500 U	12.5 U	13.3	2.23	
	11/26/2002*	2.26	0.500 U	1.98	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	1.00 U	0.500 U	13.9	0.500 U	5.00 U	11.0	1.48	
	01/29/03	10.0 M	5.00 M	10.8	0.284	0.394	0.322	0.200 M	0.266	1.46	0.400 M	5.00 M	60.6	0.200 M	20.0 M	54.7	6.98
	04/30/03	2.74	1.00 M	2.48	1.00 M	1.00 M	1.00 M	1.00 M	1.00 M	2.00 M	1.00 M	16.5	1.00 M	2.00 M	12.7	2.00	
MW-2	11/26/2002*	4.44	1.00 U	2.72	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	2.00 U	1.16	14.8	1.00 U	21.1	15.4	2.24	
MW-3	11/26/2002*	10.0 U	10.0 U	3.99	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	1.00 U	0.500 U	33.0 U	0.500 U	10.0 U	22.1	2.98	
MW-4	02/01/02	0.500 U	0.100 U	0.257	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.200 U	0.100 U	2.32	0.100 U	1.00 U	0.725	0.17	
	04/25/02	0.500 U	0.100 U	0.368	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.200 U	0.100 U	2.21	0.100 U	0.500 U	0.618	0.192	
	07/29/02	0.405	0.100 M	0.500 M	0.100 M	0.100 M	0.100 M	0.100 M	0.100 M	0.200 M	0.100 M	1.75	0.100 M	0.500 M	0.500 M	0.313	
	10/30/02	2.50 M	0.500 M	4.26	0.500 M	0.500 M	0.500 M	0.500 M	0.500 M	0.500 M	1.00 M	0.500 M	8.00 M	0.500 M	3.50 M	7.64	3.09
DUP	10/30/02	1.50 M	0.500 M	2.18	0.500 M	0.500 M	0.500 M	0.500 M	0.500 M	0.500 M	1.00 M	0.5	4.36	0.500 M	2.00 M	3.60	1.61
	01/29/03	0.800 M	0.400 M	0.860	0.400 M	0.400 M	0.400 M	0.400 M	0.400 M	0.400 M	0.800 M	0.400 M	2.97	0.400 M	1.20 M	2.23	0.600
	04/30/03	2.50 M	2.50 M	2.50	0.100 M	0.100 M	0.100 M	0.100 M	0.100 M	0.100 M	0.200 M	2.50 M	4.88	0.100 M	2.50 M	2.74	0.774
	07/29/03	1.00 M	0.750 M	1.79	0.500 M	0.500 M	0.500 M	0.500 M	0.500 M	0.500 M	1.00 M	0.500 M	5.12	0.500 M	3.25	4.40	1.35
	10/28/03	3.00 M	2.00 M	4.00	2.00 M	2.00 M	2.00 M	2.00 M	2.00 M	2.00 M	4.00 M	2.00 M	11.0 M	2.00 M	3.00 M	8.85	4.00
MW-5	02/01/02	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.200 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	
	04/24/02	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.200 U	0.100 U	0.100 U	0.100 U	0.100 M	0.100 U	0.100 U	
	01/28/03	0.100 M	0.100 M	0.100 M	0.100 M	0.100 M	0.100 M	0.100 M	0.100 M	0.200 M	0.100 M	0.100 M	0.100 M	0.100 M	0.100 M	0.100 M	
	04/30/03	0.100 M	0.100 M	0.100 M	0.100 M	0.100 M	0.100 M	0.100 M	0.100 M	0.200 M	0.100 M	0.100 M	0.100 M	0.200 M	0.100 M	0.100 M	
MW-6	02/01/02	0.153	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.200 U	0.100 U	0.131	0.100 U	5.00 U	0.225	0.100 U	
	04/24/02	0.151	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.200 U	0.100 U	0.101	0.100 U	2.00 U	0.214	0.100 U	
	01/29/03	0.129	0.100 M	0.100 M	0.100 M	0.100 M	0.100 M	0.100 M	0.100 M	0.200 M	0.100 M	0.200 M	0.100 M	0.200 M	0.100 M	0.128	0.100 M
	04/29/03	0.107	0.100 M	0.100 M	0.100 M	0.100 M	0.100 M	0.100 M	0.100 M	0.200 M	0.100 M	0.100 M	0.100 M	0.100 M	0.100 M	0.110	0.100 M
MW-7	01/31/02	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.200 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	
	04/24/02	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.200 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	
	07/29/02	0.100 M	0.100 M	0.100 M	0.100 M	0.100 M	0.100 M	0.100 M	0.100 M	0.200 M	0.100 M	0.100 M	0.100 M	0.100 M	0.100 M	0.100 M	
	10/29/02	0.100 M	0.100 M	0.100 M	0.100 M	0.100 M	0.100 M	0.100 M	0.100 M	0.200 M	0.100 M	0.100 M	0.100 M	0.100 M	0.100 M	0.100 M	
	01/28/03	0.100 M	0.100 M	0.100 M	0.100 M	0.100 M	0.100 M	0.100 M	0.100 M	0.200 M	0.100 M	0.100 M	0.100 M	0.100 M	0.100 M	0.100 M	
	04/29/03	0.100 M	0.100 M	0.100 M	0.100 M	0.100 M	0.100 M	0.100 M	0.100 M	0.200 M	0.100 M	0.100 M	0.100 M	0.100 M	0.100 M	0.100 M	
DUP	10/28/03	0.100 M	0.100 M	0.100 M	0.100 M	0.100 M	0.100 M	0.100 M	0.100 M	0.200 M	0.100 M	0.100 M	0.100 M	0.100 M	0.100 M	0.100 M	

TABLE 3
GROUNDWATER ANALYTICAL PAH's
 Kinder Morgan Liquid Terminals LLC
 Linnton Terminal
 Portland, Oregon

Sample ID	Sample Date	Acenaphthene ($\mu\text{g/L}$)	Acenaphthylene ($\mu\text{g/L}$)	Anthracene ($\mu\text{g/L}$)	Benzo(a)anthracene ($\mu\text{g/L}$)	Benzo(a)pyrene ($\mu\text{g/L}$)	Benzo(b)fluoranthene ($\mu\text{g/L}$)	Benzo(ghi)perylene ($\mu\text{g/L}$)	Benzo(k)fluoranthene ($\mu\text{g/L}$)	Chrysene ($\mu\text{g/L}$)	Dibenz(a,h)anthracene ($\mu\text{g/L}$)	Fluoranthene ($\mu\text{g/L}$)	Fluorene ($\mu\text{g/L}$)	Indeno(1,2,3-cd)pyrene ($\mu\text{g/L}$)	Naphthalene ($\mu\text{g/L}$)	Phenanthrene ($\mu\text{g/L}$)	Pyrene ($\mu\text{g/L}$)
MW-8	02/01/02	18.9	2.00 U	0.759	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.200 U	1.03	12.4	0.100 U	2.56	11.2	1.19	
	04/25/02	40.5	0.500 M	0.606	0.100 M	0.100 M	0.100 M	0.100 M	0.100 M	0.200 U	1.69	18.6	0.100 U	8.36	7.73	1.72	
	07/29/02	57.1	0.100 M	0.629	0.117	0.100 M	0.100 M	0.100 M	0.100 M	0.200 M	1.36	22.3	0.100 M	41.0	7.78	2.34	
	10/30/02	90.3	1.00 M	1.31	0.568	0.723	0.529	0.675	0.500 M	0.733	1.00 M	2.65	43.4	0.500 M	0.772	9.42	3.34
	01/29/03	18.9	1.00 M	0.429	0.100 M	0.100 M	0.100 M	0.100 M	0.100 M	0.200 M	0.697	9.94	0.100 M	5.89	4.72	0.798	
	04/30/03	27.1	5.00 M	0.780	0.100 M	0.100 M	0.100 M	0.100 M	0.100 M	0.200 M	0.854	13.4	0.100 M	23.1	4.21	1.30	
	07/29/03	70.6	0.303	0.688	0.200 M	0.200 M	0.200 M	0.200 M	0.200 M	0.400 M	1.32	33.6	0.200 M	2.94	10.0	1.73	
	10/28/03	51.7	0.250 M	0.527	0.100 M	0.100 M	0.100 M	0.100 M	0.100 M	0.200 M	0.917	26.7	0.100 M	0.322	4.84	1.17	
	02/01/02	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.200 U	0.100 U	0.100 U	0.100 U	0.500 U	0.100 U	0.100 M	
	04/25/02	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.200 U	0.100 U	0.100 U	0.100 U	1.00 U	0.100 U	0.100 U	
MW-9	07/29/02	0.100 M	0.100 M	0.100 M	0.100 M	0.100 M	0.100 M	0.100 M	0.100 M	0.200 M	0.100 M	0.100 M	0.100 M	1.00 M	0.100 M	0.100 M	
	10/30/02	0.100 M	0.100 M	0.100 M	0.100 M	0.100 M	0.100 M	0.100 M	0.100 M	0.200 M	0.100 M	0.100 M	0.100 M	1.00 M	0.100 M	0.100 M	
	01/29/03	0.100 M	0.100 M	0.100 M	0.100 M	0.100 M	0.100 M	0.100 M	0.100 M	0.200 M	0.100 M	0.100 M	0.100 M	0.500 M	0.100 M	0.100 M	
	04/30/03	0.112	0.100 M	0.100 M	0.100 M	0.100 M	0.100 M	0.100 M	0.100 M	0.200 M	0.100 M	0.100 M	0.100 M	2.30 M	0.100 M	0.100 M	
	07/30/03	0.200 M	0.200 M	0.200 M	0.200 M	0.200 M	0.200 M	0.200 M	0.200 M	0.400 M	0.200 M	0.200 M	0.200 M	2.00 M	0.200 M	0.200 M	
	10/29/03	0.100 M	0.100 M	0.100 M	0.100 M	0.100 M	0.100 M	0.100 M	0.100 M	0.200 M	0.100 M	0.100 M	0.100 M	0.550 M	0.100 M	0.100 M	
	02/01/02	7.81	0.100 U	0.304	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.200 U	0.447	5.21	0.100 U	5.00 U	1.41	0.512	
DUP	02/01/02	6.6	0.500 U	0.228	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.200 U	0.387	4.19	0.100 U	5.00 U	0.557	0.451	
	04/25/02	4.39	0.100 U	0.367	0.123	0.108	0.100 M	0.100 M	0.100 M	0.200 U	0.784	3.21	0.100 M	2.50 U	0.903	0.933	
	11/27/02*	10.8	0.500 U	1.56	0.500 U	0.678	0.500 U	0.695	0.500 U	0.605	1.00 U	1.77	10.7	0.500 U	17.0 U	9.62	2.20
	04/30/03	150	100 M	23.1	12.0	10.6	6.90	5.00	7.08	14.9	2.00 M	73.6	163	4.00	100 M	176	76.1
	07/30/03	29.4	6.00 M	5.16	3.40	4.07	3.09	3.24	2.00 M	4.16	4.00 M	10.5	25.5	2.18	32.0 M	22.9	18.8
	10/29/03	19.8	3.50 M	4.02	2.17	2.12	1.44	1.35	1.22	2.92	2.00 M	9.99	19.6	1.00 M	12.5 M	20.6	14.3
	01/31/02	2.05	0.500 U	0.212	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.200 U	0.100 U	4.34	0.100 U	2.50 U	4.11	0.100 M	
MW-12	04/25/02	1.52	0.100 U	0.349	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.200 U	0.100 M	3.32	0.100 U	1.00 U	4.55	0.143	
	07/29/02	5.00 M	0.500 M	0.593	0.100 M	0.100 M	0.100 M	0.100 M	0.100 M	0.200 M	0.500 M	5.33	0.100 M	2.50 M	7.29	0.260	
	07/29/02	2.44	0.500 M	0.655	0.100 M	0.100 M	0.100 M	0.100 M	0.100 M	0.200 M	0.100 M	4.67	0.100 M	5.00 M	5.23	0.293	
	10/29/02	1.72	0.100 M	0.353	0.100 M	0.100 M	0.100 M	0.100 M	0.100 M	0.200 M	0.500 M	3.89	0.100 M	2.50 M	5.97	0.123	
	01/28/03	3.33	0.500 M	1.01	0.500 M	0.500 M	0.500 M	0.500 M	0.500 M	0.500 M	1.00 M	0.500 M	6.96	0.500 M	3.00 M	10.5	0.566
	04/29/03	4.00	1.00 M	1.18	1.00 M	1.00 M	1.00 M	1.00 M	1.00 M	2.00 M	1.00 M	9.45	1.00 M	1.50 M	10.9	1.00 M	
	07/29/03	2.23	0.700 M	0.254	0.200 M	0.200 M	0.200 M	0.200 M	0.200 M	0.400 M	0.200 M	4.77	0.200 M	2.20 M	5.09	0.200 M	
	10/28/03	5.26	1.60 M	2.20 M	0.400 M	0.400 M	0.400 M	0.400 M	0.400 M	0.800 M	0.452	10.1	0.400 M	3.80 M	18.0	1.29	

TABLE 3
GROUNDWATER ANALYTICAL PAH's
Kinder Morgan Liquid Terminals LLC
Linnton Terminal
Portland, Oregon

Sample ID	Sample Date	Acenaphthene ($\mu\text{g/L}$)	Acenaphthyrene ($\mu\text{g/L}$)	Anthracene ($\mu\text{g/L}$)	Benzo(a)anthracene ($\mu\text{g/L}$)	Benzo(a)pyrene ($\mu\text{g/L}$)	Benzo(b)fluoranthene ($\mu\text{g/L}$)	Benzo(ghi)perylene ($\mu\text{g/L}$)	Benzo(k)fluoranthene ($\mu\text{g/L}$)	Chrysene ($\mu\text{g/L}$)	Dibenz(a,h)anthracene ($\mu\text{g/L}$)	Fluoranthene ($\mu\text{g/L}$)	Fluorene ($\mu\text{g/L}$)	Indeno(1,2,3-cd)pyrene ($\mu\text{g/L}$)	Naphthalene ($\mu\text{g/L}$)	Phenanthrene ($\mu\text{g/L}$)	Pyrene ($\mu\text{g/L}$)
MW-13	01/31/02	1.62	0.100 U	0.16	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.200 U	0.100 M	3.23	0.100 U	5.00 U	2.61	0.100 M	
DUP	01/31/02	1.47	0.100 U	0.144	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.200 U	0.100 M	3.26	0.100 U	2.00 U	3.3	0.100 M	
	04/25/02	1.25	0.100 U	0.203	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.200 U	0.100 M	2.75	0.100 U	2.00 U	2.63	0.100 M	
DUP	04/25/02	1.36	0.100 U	0.138	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.200 U	0.100 M	2.73	0.100 U	2.00 U	2.74	0.100 M	
	07/29/02	0.858	0.100 M	0.172	0.100 M	0.100 M	0.100 M	0.100 M	0.100 M	0.200 M	0.100 M	1.90	0.100 M	0.100 M	3.61	0.157	
	10/29/02	1.31	0.500 M	1.00 M	0.500 M	0.500 M	0.500 M	0.500 M	0.500 M	1.00 M	0.500 M	2.75	0.500 M	4.00 M	4.91	0.515	
DUP	10/29/02	0.802	0.100 M	0.250 M	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.200 U	0.100 M	1.68	0.100 M	3.00 M	2.42	0.121	
	01/28/03	0.596	0.100 M	0.100 M	0.100 M	0.100 M	0.100 M	0.100 M	0.100 M	0.200 M	0.100 M	1.15	0.100 M	1.20 M	1.13	0.100 M	
DUP	01/28/03	0.710	0.100 M	0.100 M	0.100 M	0.100 M	0.100 M	0.100 M	0.100 M	0.200 M	0.100 M	1.40 M	0.100 M	1.30 M	1.11	0.100 M	
	04/29/03	2.69	2.50 M	0.223	0.100 M	0.100 M	0.100 M	0.100 M	0.100 M	0.200 M	0.100 M	5.57	0.100 M	2.50 M	2.94	0.120	
	07/29/03	0.806	0.300 M	0.200 M	0.200 M	0.200 M	0.200 M	0.200 M	0.200 M	0.400 M	0.200 M	1.69	0.200 M	2.20 M	2.86	0.200 M	
	10/28/03	0.843	0.250 M	0.112	0.100 M	0.100 M	0.100 M	0.100 M	0.100 M	0.200 M	0.100 M	1.69	0.100 M	1.45 M	2.42	0.100 M	
MW-14	01/31/02	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.200 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 M	
	04/24/02	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.200 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	
	07/30/02	0.100 M	0.100 M	0.100 M	0.100 M	0.100 M	0.100 M	0.100 M	0.100 M	0.200 M	0.100 M	0.100 M	0.100 M	0.100 M	0.100 M	0.100 M	
	10/29/02	0.100 M	0.100 M	0.100 M	0.100 M	0.100 M	0.100 M	0.100 M	0.100 M	0.200 M	0.100 M	0.100 M	0.100 M	0.100 M	0.100 M	0.100 M	
	01/29/03	0.100 M	0.100 M	0.100 M	0.100 M	0.100 M	0.100 M	0.100 M	0.100 M	0.200 M	0.100 M	0.100 M	0.100 M	0.100 M	0.100 M	0.100 M	
	04/29/03	0.100 M	0.100 M	0.100 M	0.100 M	0.100 M	0.100 M	0.100 M	0.100 M	0.200 M	0.100 M	0.100 M	0.100 M	0.100 M	0.100 M	0.100 M	
	07/29/03	0.100 M	0.100 M	0.100 M	0.100 M	0.100 M	0.100 M	0.100 M	0.100 M	0.200 M	0.100 M	0.100 M	0.100 M	0.100 M	0.100 M	0.100 M	
	10/28/03	0.100 M	0.100 M	0.100 M	0.100 M	0.100 M	0.100 M	0.100 M	0.100 M	0.200 M	0.100 M	0.100 M	0.100 M	0.100 M	0.100 M	0.100 M	
MW-15	01/31/02	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.200 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	
	04/24/02	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.200 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	
	07/30/02	0.100 M	0.100 M	0.100 M	0.100 M	0.100 M	0.100 M	0.100 M	0.100 M	0.200 M	0.100 M	0.100 M	0.100 M	0.100 M	0.100 M	0.100 M	
	10/29/02	0.100 M	0.100 M	0.100 M	0.100 M	0.100 M	0.100 M	0.100 M	0.100 M	0.200 M	0.100 M	0.100 M	0.100 M	0.100 M	0.100 M	0.100 M	
	01/29/03	0.100 M	0.100 M	0.100 M	0.100 M	0.100 M	0.100 M	0.100 M	0.100 M	0.200 M	0.100 M	0.100 M	0.100 M	0.100 M	0.100 M	0.100 M	
	04/29/03	0.100 M	0.100 M	0.100 M	0.100 M	0.100 M	0.100 M	0.100 M	0.100 M	0.200 M	0.100 M	0.100 M	0.100 M	0.100 M	0.100 M	0.100 M	
DUP	04/29/03	0.100 M	0.100 M	0.100 M	0.100 M	0.100 M	0.100 M	0.100 M	0.100 M	0.200 M	0.100 M	0.100 M	0.100 M	0.100 M	0.100 M	0.100 M	
	07/29/03	0.100 M	0.100 M	0.100 M	0.100 M	0.100 M	0.100 M	0.100 M	0.100 M	0.200 M	0.100 M	0.100 M	0.100 M	0.100 M	0.100 M	0.100 M	
DUP	07/29/03	0.100 M	0.100 M	0.100 M	0.100 M	0.100 M	0.100 M	0.100 M	0.100 M	0.200 M	0.100 M	0.100 M	0.100 M	0.100 M	0.100 M	0.100 M	
	10/28/03	0.100 M	0.100 M	0.100 M	0.100 M	0.100 M	0.100 M	0.100 M	0.100 M	0.200 M	0.100 M	0.100 M	0.100 M	0.100 M	0.100 M	0.100 M	

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GROUNDWATER ANALYTICAL PAH's
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Sample ID	Sample Date	Acenaphthene ($\mu\text{g/L}$)	Acenaphthylene ($\mu\text{g/L}$)	Anthracene ($\mu\text{g/L}$)	Benzo(a)anthracene ($\mu\text{g/L}$)	Benzo(a)pyrene ($\mu\text{g/L}$)	Benzo(b)fluoranthene ($\mu\text{g/L}$)	Benzo(g/h)perylene ($\mu\text{g/L}$)	Benzo(k)fluoranthene ($\mu\text{g/L}$)	Chrysene ($\mu\text{g/L}$)	Dibenz(a,h)anthracene ($\mu\text{g/L}$)	Fluoranthene ($\mu\text{g/L}$)	Fluorene ($\mu\text{g/L}$)	Indeno(1,2,3-cd)pyrene ($\mu\text{g/L}$)	Naphthalene ($\mu\text{g/L}$)	Phenanthrene ($\mu\text{g/L}$)	Pyrene ($\mu\text{g/L}$)	
MW-16	02/01/02	1.4	0.200 U	0.200 M	0.200 M	0.200 M	0.200 U	0.200 U	0.200 M	0.400 U	0.358	2.97	0.200 U	4.00 U	1.71	0.342		
	04/25/02	1.16	0.100 U	0.256	0.255	0.218	0.208	0.158	0.183	0.273	0.200 U	0.642	2.84	0.138	1.50 U	2.49	0.626	
	07/30/02	1.34	0.200 M	0.409	0.312	0.231	0.266	0.200 M	0.200 M	0.476	0.400 M	0.676	2.65	0.200 M	2.50 M	2.97	0.942	
DUP	07/30/02	1.36	0.200 M	0.367	0.233	0.200 M	0.200 M	0.200 M	0.200 M	0.374	0.400 M	0.567	2.50	0.200 M	2.50 M	2.80	0.685	
	11/27/02*	4.12	1.00 U	2.41	1.27	1.47	2.35	1.00 U	1.00 U	3.15	2.00 U	2.99	11.9	1.00 U	7.40 U	13.5	3.27	
	01/28/03	1.24	0.200 M	0.200 M	0.200 M	0.200 M	0.200 M	0.200 M	0.200 M	0.400 M	0.200 M	2.37	0.200 M	1.80 M	1.74	0.235		
DUP	01/28/03	1.33	0.200 M	0.242	0.200 M	0.200 M	0.200 M	0.200 M	0.200 M	0.228	0.400 M	0.298	2.73	0.200 M	2.20 M	2.38	0.368	
	04/29/03	2.78	1.00 M	1.00 M	1.00 M	1.00 M	1.00 M	1.00 M	1.00 M	2.00 M	1.00 M	5.86	1.00 M	2.00 M	4.86	1.00 M		
	07/29/03	2.00	0.500 M	0.614	0.640	0.633	1.06	0.500 M	0.500 M	1.10	1.00 M	1.08	4.16	0.500 M	4.50 M	3.05	1.42	
	10/28/03	1.53	0.500 M	0.500 M	0.500 M	0.500 M	0.500 M	0.500 M	0.500 M	1.00 M	0.500 M	3.05	0.500 M	1.75 M	2.17	0.500 M		
MW-17	01/31/02	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.200 U	0.100 U	0.214	0.100 U	0.200 U	0.301	0.100 U		
	04/24/02	0.100 U	0.100 U	0.2100 M	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.200 U	0.100 U	0.100 U	0.100 U	0.100 U	0.187	0.100 U	
	07/30/02	0.100 M	0.100 M	0.200 M	0.100 M	0.100 M	0.100 M	0.100 M	0.100 M	0.100 M	0.100 M	0.200 M	0.100 M	0.100 M	0.100 M	0.100 M	0.100 M	
	10/30/02	0.100 M	0.100 M	0.200 M	0.100 M	0.100 M	0.100 M	0.100 M	0.100 M	0.100 M	0.100 M	0.200 M	0.100 M	0.100 M	0.100 M	0.100 M	0.100 M	
	01/29/03	0.100 M	0.100 M	0.100 M	0.100 M	0.100 M	0.100 M	0.100 M	0.100 M	0.100 M	0.100 M	0.200 M	0.100 M	0.100 M	0.100 M	0.100 M	0.100 M	
	04/29/03	0.100 M	0.100 M	0.100 M	0.100 M	0.100 M	0.100 M	0.100 M	0.100 M	0.100 M	0.100 M	0.200 M	0.100 M	0.100 M	0.300 M	0.100 M	0.100 M	
DUP	04/29/03	0.100 M	0.100 M	0.100 M	0.100 M	0.100 M	0.100 M	0.100 M	0.100 M	0.100 M	0.200 M	0.100 M	0.100 M	0.350 M	0.100 M	0.100 M	0.100 M	
	07/29/03	0.100 M	0.100 M	0.100 M	0.100 M	0.100 M	0.100 M	0.100 M	0.100 M	0.100 M	0.200 M	0.100 M	0.100 M	0.250 M	0.100 M	0.100 M	0.100 M	
DUP	07/29/03	0.100 M	0.100 M	0.100 M	0.100 M	0.100 M	0.100 M	0.100 M	0.100 M	0.100 M	0.200 M	0.100 M	0.100 M	0.200 M	0.100 M	0.100 M	0.100 M	
	10/28/03	0.100 M	0.100 M	0.100 M	0.100 M	0.100 M	0.100 M	0.100 M	0.100 M	0.100 M	0.200 M	0.100 M	0.100 M	0.100 M	0.100 M	0.100 M	0.100 M	

TABLE 3
GROUNDWATER ANALYTICAL PAH's
 Kinder Morgan Liquid Terminals LLC
 Linnton Terminal
 Portland, Oregon

Sample ID	Sample Date		Acenaphthene	Acenaphthylene	Anthracene	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Chrysene	Dibenz(a,h)anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-cd)pyrene	Naphthalene	Phenanthrene	Pyrene	
		(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	
MW-18	04/25/02	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.200 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	
DUP	04/25/02	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.200 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	
	07/29/02	0.100 M	0.100 M	0.100 M	0.100 M	0.100 M	0.100 M	0.100 M	0.100 M	0.200 M	0.100 M	0.100 M	0.100 M	0.100 M	0.100 M	0.100 M	0.100 M	0.100 M	
	10/30/02	0.100 M	0.100 M	0.100 M	0.100 M	0.100 M	0.100 M	0.100 M	0.100 M	0.200 M	0.100 M	0.100 M	0.100 M	0.100 M	0.100 M	0.100 M	0.100 M	0.100 M	
	01/29/03	0.100 M	0.100 M	0.100 M	0.100 M	0.100 M	0.100 M	0.100 M	0.100 M	0.200 M	0.100 M	0.100 M	0.100 M	0.100 M	0.100 M	0.100 M	0.100 M	0.100 M	
	04/29/03	0.100 M	0.100 M	0.100 M	0.100 M	0.100 M	0.100 M	0.100 M	0.100 M	0.200 M	0.100 M	0.100 M	0.100 M	0.100 M	0.100 M	0.100 M	0.100 M	0.100 M	
	07/30/03	0.100 M	0.100 M	0.100 M	0.100 M	0.100 M	0.100 M	0.100 M	0.100 M	0.200 M	0.100 M	0.100 M	0.100 M	0.100 M	0.100 M	0.100 M	0.100 M	0.100 M	
	10/29/03	0.100 M	0.100 M	0.100 M	0.100 M	0.100 M	0.100 M	0.100 M	0.100 M	0.200 M	0.100 M	0.100 M	0.100 M	0.100 M	0.100 M	0.100 M	0.100 M	0.100 M	
MW-20	05/01/03	11.7	2.50 M	0.100 M	0.100 M	0.100 M	0.100 M	0.100 M	0.100 M	0.200 M	0.368	6.24	0.100 M	5.00 M	0.820	0.495			
	07/30/03	21.8	1.00 M	0.500 M	0.500 M	0.500 M	0.500 M	0.500 M	0.500 M	0.500 M	1.00 M	0.979	9.16	0.500 M	8.00 M	3.61	1.31		
MW-21	05/01/03	6.08	1.00 M	1.00 M	1.00 M	1.00 M	1.00 M	1.00 M	1.00 M	2.00 M	1.00 M	6.13	1.00 M	3.00 M	2.59	1.00 M			
	07/30/03	5.25 M	0.750 M	0.500 M	0.500 M	0.500 M	0.500 M	0.500 M	0.500 M	1.00 M	0.500 M	4.59	0.500 M	6.50 M	2.23	0.704			
MW-22	05/01/03	2.67	0.100 M	0.158	0.100 M	0.100 M	0.100 M	0.100 M	0.100 M	0.200 M	0.726	1.15	0.100 M	1.70 M	0.146	1.09			
	07/30/03	6.14	0.300 M	0.362	0.223	0.219	0.200 M	0.200 M	0.200 M	0.400 M	1.68	1.70	0.200 M	2.60 M	2.22	2.31			
	10/29/03	0.286	0.100 M	0.150 M	0.123	0.138	0.100 M	0.125	0.100 M	0.153	0.200 M	0.835	0.110	0.100 M	0.400 M	0.150 M	1.19		
RW-1	11/26/02*	30.0 U	25.0 U	14.3	1.41	1.00 U	1.70	1.00 U	1.00 U	4.19	2.00 U	4.57	130 U	1.00 U	224	87.0	16.1		
RW-2	11/26/02*	6.30	0.100 U	2.42	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	1.83	2.00 U	1.21	14.7	1.00 U	56.2	17.7	1.75		
RW-3	11/26/02*	70.0 U	57.1 U	19.5	2.48	2.02	1.43	1.14 U	1.45	5.45	2.29 U	6.02	186 U	1.14 U	100 U	231	18.8		

NOTES:

Polynuclear Aromatic Compounds (PAHs) analyzed by USEPA Method 8270M-SIM

µg/l = micrograms per liter

J = Estimated Value

U = Analyte included in the analysis but not detected above laboratory method detection limits (MDLs)

M = Analyte included in the analysis but not detected above laboratory method reporting limits (MRLs)

Bold Face Font = Analyte detected above the MRLs

* = Additional RI Sampling

TABLE 4
GROUNDWATER ANALYTICAL - TOTAL METALS
Kinder Morgan Liquid Terminals LLC
Linnton Terminal
Portland, Oregon

Sample ID	Sample Date	Arsenic (mg/L)	Barium (mg/L)	Cadmium (mg/L)	Chromium (mg/L)	Copper (mg/L)	Lead (mg/L)	Mercury (mg/L)	Selenium (mg/L)	Silver (mg/L)	Zinc (mg/L)
MW-1	02/01/02	0.0051	0.137J	0.00100 U	0.0019	0.0035	0.00100 M	0.000200 U	0.00100 M	0.00100 U	0.00863
	11/26/02*	0.00576	0.192	0.00100 U	0.00638	0.0165	0.00580	0.000200 U	0.00111	0.00100 U	0.0278
	01/29/03	0.00408	0.142	0.00100 M	0.00216	0.00657	0.00293	0.000400 M	0.00100 M	0.00100 M	0.0113
	04/30/03	0.00451	0.102	0.00100 M	0.00108	0.00200 M	0.00100 M	0.000200 M	0.00123	0.00100 M	0.00500 M
MW-2	11/26/02*	0.0410	0.119	0.00100 U	0.00132	0.00345	0.00497	0.000200 U	0.00100 U	0.00100 U	0.00770
MW-3	11/26/02*	0.0196	0.152	0.00100 U	0.00303	0.00599	0.00247	0.000200 U	0.00140	0.00100 U	0.0144
MW-4	02/01/02	0.00554	0.0916	0.00100 U	0.00100 M	0.00248	0.00100 M	0.000200 U	0.00113	0.00100 U	0.00500 M
	04/25/02	NA	NA	NA	NA	NA	0.00100 U	NA	NA	NA	NA
	07/29/02	NA	NA	NA	NA	NA	0.00100 M	NA	NA	NA	NA
	10/30/02	NA	NA	NA	NA	NA	0.00438	NA	NA	NA	NA
DUP	10/30/02	NA	NA	NA	NA	NA	0.00607	NA	NA	NA	NA
	01/29/03	0.00503	0.0791	0.00100 M	0.00102	0.00200 M	0.00100 M	0.000200 M	0.00100 M	0.00100 M	0.00500 M
	04/30/03	0.00511	0.0759	0.00100 M	0.00100 M	0.00200 M	0.00100 M	0.000200 M	0.00137	0.00100 M	0.00540
	07/29/03	0.0388	0.107	0.00500 M	0.00733	0.00679	0.00177	0.000200 M	0.00500 M	0.00500 M	0.0196
MW-5	10/28/03	0.0734	0.202	0.00100 M	0.0197	0.0219	0.00898	0.000200 M	0.00100 M	0.00100 M	0.0735
	02/01/02	0.00342	0.14	0.00100 M	0.00611	0.0161	0.00809	0.000200 U	0.00100 M	0.00100 U	0.0356
	04/24/02	NA	NA	NA	NA	NA	0.00976	NA	NA	NA	NA
	07/30/02	NA	NA	NA	NA	NA	0.00722	NA	NA	NA	NA
MW-6	01/28/03	0.00246	0.0801	0.00100 M	0.00316	0.00675	0.00475	0.000800 M	0.00100 M	0.00100 M	0.0222
	04/30/03	0.00195	0.0637	0.00100 M	0.00210	0.00662	0.00387	0.000200 M	0.00100 M	0.00100 M	0.0170
	02/01/02	0.0403	0.204	0.00189	0.00163	0.0069	0.00265	0.000200 U	0.00100 M	0.00100 U	0.0486
	04/24/02	NA	NA	NA	NA	NA	0.00143	NA	NA	NA	NA
MW-7	01/29/03	0.0465	0.182	0.00100 M	0.00253	0.00724	0.00651	0.000200 M	0.00100 M	0.00100 M	0.0617
	04/29/03	0.0391	0.0961	0.00100 M	0.00100 M	0.00200	0.00100 M	0.000200 M	0.00100 M	0.00100 M	0.00619
	01/31/02	0.00339	0.0786	0.00100 M	0.00294	0.00673	0.00214	0.000200 U	0.00100 M	0.00100 U	0.014
	04/24/02	NA	NA	NA	NA	NA	0.00240	NA	NA	NA	NA
DUP	07/29/02	NA	NA	NA	NA	NA	0.00735	NA	NA	NA	NA
	10/29/02	NA	NA	NA	NA	NA	0.0346	NA	NA	NA	NA
	01/28/03	0.00161	0.0574	0.00100 M	0.00100 M	0.00318	0.00106	0.000200 M	0.00100 M	0.00100 M	0.00763
	04/29/03	0.00171	0.0629	0.00100 M	0.00174	0.00396	0.00219	0.000200 M	0.00100 M	0.00100 M	0.0135
DUP	07/29/03	0.00500 M	0.0735	0.00500 M	0.00676	0.00675	0.00223	0.000200 M	0.00500 M	0.00500 M	0.0166
	10/28/03	0.00180	0.0516	0.00100 M	0.00100 M	0.00292	0.00100 M	0.000200 M	0.00100 M	0.00100 M	0.00595
	10/28/03	0.00578	0.185	0.00100 M	0.00873	0.0199	0.00980	0.000200 M	0.00100 M	0.00100 M	0.0532

TABLE 4
GROUNDWATER ANALYTICAL - TOTAL METALS
Kinder Morgan Liquid Terminals LLC
Linnton Terminal
Portland, Oregon

Sample ID	Sample Date	Arsenic (mg/L)	Barium (mg/L)	Cadmium (mg/L)	Chromium (mg/L)	Copper (mg/L)	Lead (mg/L)	Mercury (mg/L)	Selenium (mg/L)	Silver (mg/L)	Zinc (mg/L)
MW-8	02/01/02	0.00884	0.0396	0.00100 M	0.00100 M	0.00100 M	0.01160	0.000200 U	0.00100 M	0.00100 U	0.00500 M
	04/25/02	NA	NA	NA	NA	NA	0.00761	NA	NA	NA	NA
	07/29/02	NA	NA	NA	NA	NA	0.00510	NA	NA	NA	NA
	10/30/02	NA	NA	NA	NA	NA	0.00495	NA	NA	NA	NA
	01/29/03	0.00530	0.0348	0.00100 M	0.00100 M	0.00200 M	0.0147	0.000200 M	0.00100 M	0.00100 M	0.00979
	04/30/03	0.00560	0.0265	0.00100 M	0.00100 M	0.00200 M	0.00900	0.000200 M	0.00100 M	0.00100 M	0.0121
	07/29/03	0.00922	0.106	0.00500 M	0.00500 M	0.00500 M	0.00355	0.000200 M	0.00500 M	0.00500 M	0.0172
	10/28/03	0.00284	0.0502	0.00100 M	0.00156	0.00316	0.00373	0.000200 M	0.00104	0.00100 M	0.00704
	MW-9	0.0384	0.288	0.00100 M	0.0228	0.048	0.02390	0.000200 U	0.00133	0.00100 M	0.106
	04/25/02	NA	NA	NA	NA	NA	0.00102	NA	NA	NA	NA
MW-10	07/29/02	NA	NA	NA	NA	NA	0.03840	NA	NA	NA	NA
	10/30/02	NA	NA	NA	NA	NA	0.0802	NA	NA	NA	NA
	01/29/03	0.0308	0.0806	0.00100 M	0.00265	0.00462	0.00273	0.000200 M	0.00100 M	0.00100 M	0.0162
	04/30/03	0.0352	0.0889	0.00100 M	0.00306	0.00530	0.00390	0.000200 M	0.00100 M	0.00100 M	0.0199
	07/30/03	0.0570	0.351	0.00500 M	0.0359	0.0645	0.0351	0.000200 M	0.00500 M	0.00500 M	0.177
DUP	10/29/03	0.0455	0.352	0.00100 M	0.0284	0.0616	0.0339	0.000200 M	0.00100 M	0.00100 M	0.154
	02/01/02	0.00576	0.0204	0.00100 U	0.00149	0.00200 M	0.00308	0.000200 U	0.00100 M	0.00100 U	0.00563
	04/25/02	0.00465	0.0128	0.00100 U	0.00103	0.00200 M	0.00226	0.000200 U	0.00100 U	0.00100 U	0.00500 M
	11/27/02*	0.0187	0.553	0.00286	0.107	0.167	0.153	0.000200 U	0.00208	0.00122	0.465
MW-12	04/30/03	0.00672	0.0600	0.00100 M	0.00661	0.0116	0.0477	0.000200 M	0.00100 M	0.00100 M	0.0421
	07/30/03	0.00500 M	0.0254	0.00500 M	0.00520	0.00500 M	0.0123	0.000200 M	0.00500 M	0.00500 M	0.0155
	10/29/03	0.00496	0.0273	0.00100 M	0.00100 M	0.00200 M	0.00941	0.000200 M	0.00100 M	0.00100 M	0.00500 M
	01/31/02	0.0594	0.0804	0.00100 U	0.00138	0.00200 M	0.00175	0.000200 U	0.00100 M	0.00100 U	0.00500 M
DUP	04/25/02	NA	NA	NA	NA	NA	0.00444	NA	NA	NA	NA
	07/29/02	NA	NA	NA	NA	NA	0.00860	NA	NA	NA	NA
	10/29/02	NA	NA	NA	NA	NA	0.00768	NA	NA	NA	NA
	01/28/03	0.0576	0.0886	0.00100 M	0.00337	0.00396	0.00618	0.000200 M	0.00100 M	0.00100 M	0.0115
	04/29/03	0.0624	0.0836	0.00100 M	0.00219	0.00300	0.00496	0.000200 M	0.00100 M	0.00100 M	0.0144
	07/29/03	0.0636	0.0476	0.00500 M	0.00500 M	0.00500 M	0.00187	0.000200 M	0.00500 M	0.00500 M	0.00500 M
	10/28/03	0.0704	0.130	0.00100 M	0.00992	0.0132	0.0188	0.000200 M	0.00200 M	0.00100 M	0.0318

TABLE 4
GROUNDWATER ANALYTICAL - TOTAL METALS
Kinder Morgan Liquid Terminals LLC
Linnton Terminal
Portland, Oregon

Sample ID	Sample Date	Arsenic (mg/L)	Barium (mg/L)	Cadmium (mg/L)	Chromium (mg/L)	Copper (mg/L)	Lead (mg/L)	Mercury (mg/L)	Selenium (mg/L)	Silver (mg/L)	Zinc (mg/L)
MW-13	01/31/02	0.0551	0.254	0.00100 U	0.0156	0.0259	0.0138	0.000200 U	0.00100 M	0.00100 U	0.0648
DUP	01/31/02	0.0543	0.266	0.00100 U	0.0177	0.0279	0.0145	0.000200 U	0.00100 M	0.00100 M	0.0764
	04/25/02	NA	NA	NA	NA	NA	0.0109	NA	NA	NA	NA
DUP	04/25/02	NA	NA	NA	NA	NA	0.0150	NA	NA	NA	NA
	07/29/02	NA	NA	NA	NA	NA	0.4170	NA	NA	NA	NA
	10/29/02	NA	NA	NA	NA	NA	2.59	NA	NA	NA	NA
DUP	10/29/02	NA	NA	NA	NA	NA	2.02	NA	NA	NA	NA
	01/28/03	0.0608	0.0951	0.00100 M	0.00280	0.00422	0.00451	0.000200 M	0.00100 M	0.00100 M	0.0233
DUP	01/28/03	0.0608	0.0949	0.00100 M	0.00299	0.00361	0.00409	0.000200 M	0.00100 M	0.00100 M	0.0133
	04/29/03	0.0511	0.214	0.00100 M	0.0112	0.0174	0.0160	0.000200 M	0.00100 M	0.00100 M	0.195
	07/29/03	0.0397	0.0919	0.00500 M	0.00510	0.00500 M	0.00221	0.000200 M	0.00500 M	0.00500 M	0.0220
	10/28/03	0.105	0.721	0.00100 M	0.0586	0.115	0.0725	0.000200 M	0.00113	0.00100 M	0.268
MW-14	01/31/02	0.0165	0.456	0.00100 M	0.0402	0.078	0.0332	0.000200 U	0.00100 M	0.00100 M	0.199
	04/24/02	NA	NA	NA	NA	NA	0.0140	NA	NA	NA	NA
	07/30/02	NA	NA	NA	NA	NA	0.2520	NA	NA	NA	NA
	10/29/02	NA	NA	NA	NA	NA	0.103	NA	NA	NA	NA
	01/29/03	0.0149	0.341	0.00100 M	0.0364	0.0604	0.0269	0.000200 M	0.00100 M	0.00100 M	0.168
	04/29/03	0.00954	0.328	0.00100 M	0.0228	0.0466	0.0231	0.000200 M	0.00100 M	0.00100 M	0.186
	07/29/03	0.00500 M	0.0485	0.00500 M	0.00500 M	0.00520	0.00100 M	0.000200 M	0.00500 M	0.00500 M	0.0148
	10/28/03	0.00451	0.130	0.00100 M	0.00703	0.0150	0.00590	0.000200 M	0.00100 M	0.00100 M	0.0382
MW-15	01/31/02	0.00951	0.262	0.00100 M	0.0224	0.0355	0.0133	0.000200 U	0.0011	0.00100 U	0.0936
	04/24/02	NA	NA	NA	NA	NA	0.0754	NA	NA	NA	NA
	07/30/02	NA	NA	NA	NA	NA	0.2270	NA	NA	NA	NA
	10/29/02	NA	NA	NA	NA	NA	0.0190	NA	NA	NA	NA
	01/29/03	0.0113	0.299	0.00100 M	0.0329	0.0464	0.0197	0.000200 M	0.00100 M	0.00100 M	0.142
	04/29/03	0.00359	0.0986	0.00100 M	0.00965	0.0109	0.00529	0.000200 M	0.00100 M	0.00100 M	0.0331
DUP	04/29/03	0.00322	0.0842	0.00100 M	0.00894	0.00905	0.00409	0.000200 M	0.00100 M	0.00100 M	0.0288
	07/29/03	0.0361	1.34	0.0500 M	0.0858	0.145	0.0798	0.000200 M	0.0500 M	0.0500 M	0.553
DUP	07/29/03	0.0239	0.765	0.00500 M	0.0538	0.0971	0.0492	0.000200 M	0.00500 M	0.00500 M	0.274
	10/28/03	0.0135	1.57	0.00100 M	0.0466	0.0792	0.0155	0.000200 M	0.00246	0.00100 M	0.302

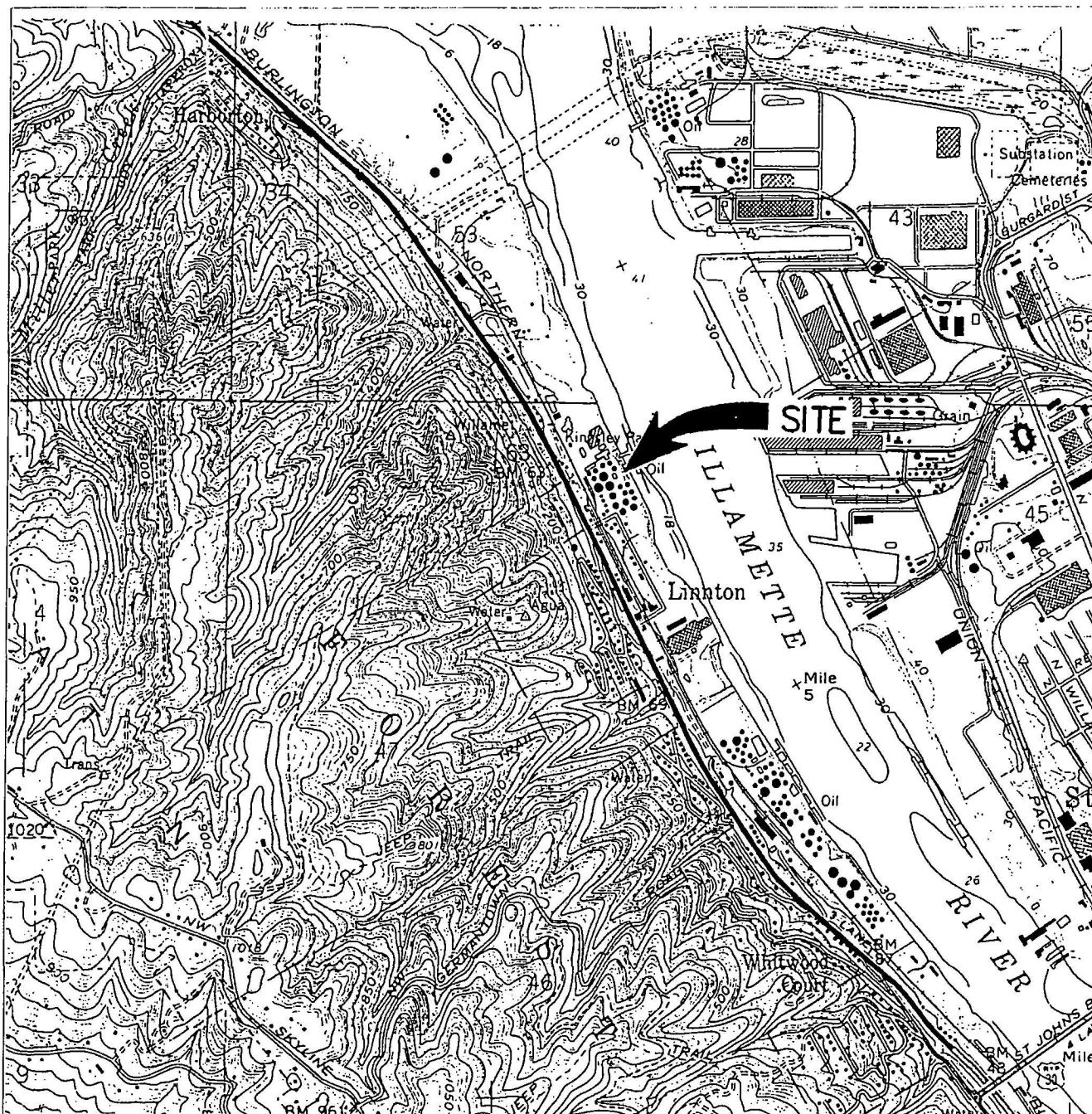
TABLE 4
GROUNDWATER ANALYTICAL - TOTAL METALS
Kinder Morgan Liquid Terminals LLC
Linnton Terminal
Portland, Oregon

Sample ID	Sample Date	Arsenic (mg/L)	Barium (mg/L)	Cadmium (mg/L)	Chromium (mg/L)	Copper (mg/L)	Lead (mg/L)	Mercury (mg/L)	Selenium (mg/L)	Silver (mg/L)	Zinc (mg/L)
MW-16	02/01/02	0.116	0.354	0.00100 M	0.0465	0.0508	0.0312	0.000200 U	0.00100 M	0.00100 M	0.144
	04/25/02	NA	NA	NA	NA	NA	0.00998	NA	NA	NA	NA
	07/30/02	NA	NA	NA	NA	NA	0.120	NA	NA	NA	NA
DUP	07/30/02	NA	NA	NA	NA	NA	0.126	NA	NA	NA	NA
	11/27/02*	0.120	3.69	0.00100 U	0.610	0.546	0.323	0.000265	0.00100 U	0.00100 U	1.40
DUP	01/28/03	0.0908	0.104	0.00100 M	0.00704	0.00652	0.00702	0.000400 M	0.00100 M	0.00100 M	0.0216
	01/28/03	0.0891	0.135	0.00100 M	0.0121	0.0116	0.0106	0.000400 M	0.00100 M	0.00100 M	0.0367
DUP	04/29/03	0.0895	0.0885	0.00100 M	0.00696	0.00764	0.00828	0.000200 M	0.00100 M	0.00100 M	0.0247
	07/29/03	0.116	5.83	0.100 M	0.718	0.764	0.466	0.000854	0.100 M	0.100 M	2.18
	10/28/03	0.112	0.397	0.00100 M	0.0498	0.0511	0.0355	0.000200 U	0.00100 M	0.00100 M	0.130
MW-17	01/31/02	0.00574	0.209	0.00100 U	0.00604	0.00954	0.00374	0.000200 U	0.00100 U	0.00100 U	0.0242
	04/24/02	NA	NA	NA	NA	NA	0.0106	NA	NA	NA	NA
	07/30/02	NA	NA	NA	NA	NA	0.0801	NA	NA	NA	NA
DUP	10/30/02	NA	NA	NA	NA	NA	0.115	NA	NA	NA	NA
	01/29/03	0.00858	0.161	0.00100 M	0.0116	0.0177	0.0106	0.000200 M	0.00100 M	0.00100 M	0.0558
	04/29/03	0.0109	0.133	0.00100 M	0.00694	0.0110	0.00589	0.000200 M	0.00117	0.00100 M	0.0358
DUP	04/29/03	0.0119	0.148	0.00100 M	0.00738	0.0120	0.00679	0.000200 M	0.00124	0.00100 M	0.0417
	07/29/03	0.0338	0.477	0.00500 M	0.0461	0.0865	0.0465	0.000200 M	0.00500 M	0.00500 M	0.218
DUP	07/29/03	0.0213	0.203	0.00500 M	0.0170	0.0311	0.0139	0.000200 M	0.00500 M	0.00500 M	0.0733
	10/28/03	0.0308	0.820	0.00359	0.0802	0.164	0.0757	0.000200 M	0.00141	0.00100 M	0.401
MW-18	04/25/02	NA	NA	NA	NA	NA	0.0362	NA	NA	NA	NA
DUP	04/25/02	NA	NA	NA	NA	NA	0.0294	NA	NA	NA	NA
DUP	07/29/02	NA	NA	NA	NA	NA	0.0094	NA	NA	NA	NA
	10/30/02	NA	NA	NA	NA	NA	0.0460	NA	NA	NA	NA
	01/29/03	0.00255	0.0930	0.00100 M	0.00340	0.00593	0.00269	0.000200 M	0.00100 M	0.00100 M	0.0178
MW-20	04/29/03	0.00935	0.329	0.00100 M	0.0248	0.0363	0.0230	0.000200 M	0.00100 M	0.00100 M	0.118
	07/30/03	0.0386	0.758	0.00500 M	0.0734	0.121	0.0655	0.000200 M	0.00500 M	0.00500 M	0.342
	10/29/03	0.0348	0.781	0.00100 M	0.0787	0.132	0.0694	0.000200 M	0.00100 M	0.00100 M	0.364
MW-20	05/01/03	0.00887	0.0290	0.00100 M	0.00156	0.00213	0.00230	0.000200 M	0.00100 M	0.00100 M	0.00834
MW-21	07/30/03	0.0149	0.107	0.00500 M	0.0131	0.0226	0.00896	0.000200 M	0.00500 M	0.00500 M	0.0442
	05/01/03	0.00571	0.108	0.00100 M	0.0123	0.0237	0.0297	0.000200 M	0.00100 M	0.00100 M	0.0641
MW-21	07/30/03	0.0119	0.120	0.00500 M	0.0134	0.0621	0.0269	0.000200 M	0.00500 M	0.00500 M	0.0467

TABLE 4
GROUNDWATER ANALYTICAL - TOTAL METALS
 Kinder Morgan Liquid Terminals LLC
 Linnton Terminal
 Portland, Oregon

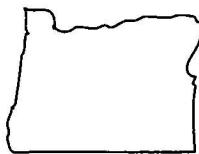
Sample ID	Sample Date	Arsenic (mg/L)	Barium (mg/L)	Cadmium (mg/L)	Chromium (mg/L)	Copper (mg/L)	Lead (mg/L)	Mercury (mg/L)	Selenium (mg/L)	Silver (mg/L)	Zinc (mg/L)
MW-22	05/01/03	0.00377	0.0146	0.00100 M	0.00100 M	0.00200 M	0.00100 M	0.000200 M	0.00100 M	0.00100 M	0.00500 M
	07/30/03	0.0148	0.114	0.00500 M	0.0143	0.0195	0.0121	0.000200 M	0.00500 M	0.00500 M	0.0493
	10/29/03	0.00751	0.270	0.00100 M	0.0172	0.0354	0.0193	0.000200 M	0.00100 M	0.00100 M	0.0924
RW-1	11/26/02*	0.0168	0.183	0.00100 U	0.00852	0.01990	0.00798	0.000200 U	0.00100 U	0.00100 U	0.0868
RW-2	11/26/02*	0.00760	0.206	0.00385	0.0104	0.0226	0.0105	0.000200 U	0.00100 U	0.00100 U	0.0795
RW-3	11/26/02*	0.00444	0.132	0.00100 U	0.00276	0.00711	0.00270	0.000200 U	0.00133	0.00100 U	0.0129

NOTES:
 Total Metals analyzed by USEPA Method 6000/7000 Series Method
 mg/l = Milligrams per liter
 NA = Not Analyzed
 J = Estimated Value
 U = Analyte included in the analysis but not detected above laboratory method detection limits (MDLs)
 M = Analyte included in the analysis but not detected above laboratory method reporting limits (MRLs)
Bold Face Font = Analyte detected above the MRLs
 * = Additional RI Sampling



REFERENCE: USGS 7.5 MINUTE TOPOGRAPHIC MAP
LINNTON, OREGON, 1961
PHOTOREVISED 1984

SCALE 1 : 25,000



North

QUADRANGLE LOCATION

FIGURE 1

SITE LOCATION MAP

KINDER MORGAN LIQUID TERMINALS, LLC
11400 NW ST. HELENS ROAD
PORTLAND, OREGON

PROJECT NO. PTKM-001-1	DRAWN BY CRF
FILE NO.	PREPARED BY CRF
REVISION NO.	REVIEWED BY



